



EN15804 Core EPD						September 1, 2015
Company	ROCKFON/ROCKWOOL International Hovedgaden 584 DK-2640 Hedehusene tel. +45 46 56 21 22 www.rockfon.com					
For	Rockfon Blanka - Concealed, dB, Activity					
Standard	Self-declared EPD based on the EN15804			Type: Cradle-to-Gate with Options		
Issue date	01-09-2015					
Valid until	01-09-2020					
	Data on this certificate have partly been generated by ROCKWOOL France and partly by The Right Environment. Data generated by The Right Environment has been verified against the EN15804 EPD standard by an independent third party					
Product unit	1 m ² acoustic panels with a service life of 50 years					
Description	Thickness	Weight	αw	Dnfw	Rw	
	22-50 mm	3.65 - 7.85 kg/m2	0.8-1.0	35-44 dB (only dB series)	19-27 dB (only dB series)	
Representative for	This Core EPD covers all relevant variations of the product above (colors, sizes and edge profiles). The suspension grid is not included.					
Remarks	EPDs of construction products may not be comparable if they do not comply with the EN15804 standard.					

Demonstration of verification	
EN15804 serves as core PCR Independent verification of the declaration and data according to ISO 14025 ☒ Internal ☐ External	
The systems used for input to the generation of this EPD have been externally verified by independent third parties against the standard EN15804 for EPDs. This means the LCA (life cycle assessment) models, underlying assumptions, and data that are used to generate this EPD have been verified, but this specific EPD has not. Previous EPDs out of these systems have been verified to prove the quality, process and concept. As a general rule, a comparison or evaluation of EPD data is only possible when all of the data records to be compared have been drawn up in accordance with EN 15804 and the building context and/or product-specific performance features are taken into consideration.	

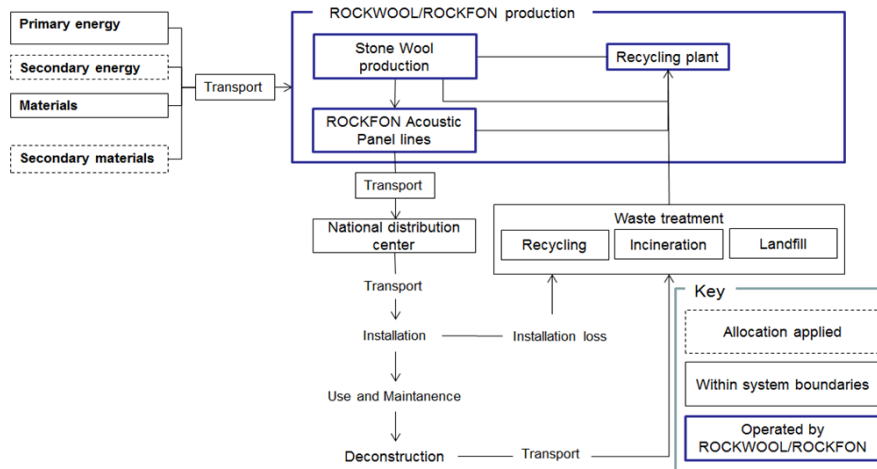
Declaration of material content	
	All information related to the content and safety of our products can be obtained by contacting ROCKFON technical support.
Safety data sheet	In compliance with European chemicals regulation (REACH), ROCKFON acoustic ceiling solutions are defined as articles why a Safety Data Sheet is not required. The mineral wool core consists of fibres spun from melted minerals based on vulcanoic mass, such as diabase or basalt, from recycled mineral wool and other secondary mineral resources. Rockwool mineral wool is safe to use and carries the EUCEB label. For more information please contact ROCKFON.
Substances considered under European Chemicals Regulation REACH	The product contains no substances as listed in Annex XIV and Annex XVII of REACH regulation No 1907/2006 or the Norwegian priority list (A20).



System boundaries and flow diagram

The process tree for mineral wool (material and energy inputs smaller than 1% excluded from flow chart)

Note: the construction and use phase have not been considered



Environmental Parameter		Product stage	Delivery	Installation	Use and maintenance	End-of-life				Module D
Environmental profile	Unit	A1, A2, A3	A4	A5	B1 – B7	C1	C2	C3	C4	D
Global warming potential, GWP	kg CO2	3.50E+00	ND	ND	ND	ND	ND	ND	ND	ND
Depletion potential of the stratospheric ozone layer, ODP	kg CFK-11	-	ND	ND	ND	ND	ND	ND	ND	ND
Acidification potential of land and water resources, AP	kg SO2	2.53E-02	ND	ND	ND	ND	ND	ND	ND	ND
Eutrophication potential, EP	kg PO43-	3.15E-02	ND	ND	ND	ND	ND	ND	ND	ND
Formation potential of tropospheric ozone photochemical oxidants,	kg ethyl	4.40E-03	ND	ND	ND	ND	ND	ND	ND	ND
Depletion of abiotic resources, elements	kg Sb	6.96E-03	ND	ND	ND	ND	ND	ND	ND	ND
Depletion of abiotic resources, fossil fuels	MJ	7.49E+01	ND	ND	ND	ND	ND	ND	ND	ND
Resource input (use of)										
Renewable primary energy, excluding renewable resources used as raw materials	MJ, ncv	-	ND	ND	ND	ND	ND	ND	ND	ND
Renewable primary energy resources used as raw materials	MJ, ncv	-	ND	ND	ND	ND	ND	ND	ND	ND
Total renewable primary resources	MJ, ncv	9.37E+00	ND	ND	ND	ND	ND	ND	ND	ND
Non renewable primary energy, excluding resources used as materials	MJ, ncv	-	ND	ND	ND	ND	ND	ND	ND	ND
Non renewable primary energy used as raw materials	MJ, ncv	-	ND	ND	ND	ND	ND	ND	ND	ND
Total non renewable primary energy resources	MJ, ncv	8.13E+01	ND	ND	ND	ND	ND	ND	ND	ND
Secondary material	kg	1.40E+00	ND	ND	ND	ND	ND	ND	ND	ND
Renewable secondary fuels	MJ	-	ND	ND	ND	ND	ND	ND	ND	ND
Non renewable secondary fuels	MJ	-	ND	ND	ND	ND	ND	ND	ND	ND
Input of fresh water	m3	6.11E-02	ND	ND	ND	ND	ND	ND	ND	ND
Waste categories (disposed)										
Hazardous waste disposed	kg	2.45E+00	ND	ND	ND	ND	ND	ND	ND	ND
Non hazardous waste disposed	kg	3.39E+00	ND	ND	ND	ND	ND	ND	ND	ND
Radioactive waste disposed	kg	1.02E-01	ND	ND	ND	ND	ND	ND	ND	ND
Further output material flows										
Components for reuse	kg	-	ND	ND	ND	ND	ND	ND	ND	ND
Materials for recycling	kg	3.03E-01	ND	ND	ND	ND	ND	ND	ND	ND
Materials for energy recovery	kg	0.00E+00	ND	ND	ND	ND	ND	ND	ND	ND
Exported electric energy	kg	0.00E+00	ND	ND	ND	ND	ND	ND	ND	ND
Exported thermal energy	kg	0.00E+00	ND	ND	ND	ND	ND	ND	ND	ND
Further assumptions for scenario development	None									



Indoor air	
Considerations	There are no indoor air health quality related concerns for the use of Rockwool construction products.

ncv net calorific value

ND Not Declared

NR Not relevant

Additional environmental information not verified as part of the EPD	
Recycled content (preconsumer)	Up to 41% Recycled content calculated according to ISO 14021. Primarily post-industrial (pre-consumer waste).
End-of-life recycling/ Extended Producer Responsibility	Extended Producer Responsibility Programs are operated by ROCKWOOL and/or ROCKFON in Denmark, Germany, France, the Netherlands and the UK. ROCKFON products can be recycled at any ROCKWOOL recycling facility.
Corporate Social Reporting	The ROCKWOOL group report on Corporate Social Responsibility is available www.rockwool.com
Environmental management Systems	Products covered by this EPD are produced in Cigacice (Poland), Roermond (Netherlands) and St Eloy Les Mines (France). All facilities operate with formalised EMS systems.

Product Health	
Emissions	The product or product group is certified as low emission by the Finnish M1.
Mineral wool fibre	Certified bio-soluble, ROCKWOOL/ROCKFON Stone Wool fibres are assessed as substances free from possible carcinogenic effects on health in accordance with EU Directive 97/69/EC (Note Q). Furthermore, ROCKFON products are made of fibres which are not classified as dangerous in accordance with the European Union regulations on classification, labelling and packaging of substances and mixtures (EC No 1272/2008 and No 790/2009). Coarse fibres can cause itching on skin or foreign body effect in the upper respiratory system (mucous membranes) and eyes. Physical effects will generally abate in short time after end of exposure and no chemical effects ensue.

Normative references	
EN ISO 354 2003	Acoustics - Measurement of sound absorption in a reverberation room
EN ISO 11654 1997/2013	Acoustics - Sound absorbers for use in buildings - Rating of sound absorption
EN 13964 2004	Suspended ceilings. Requirements and test methods

Product specific EPD modelled in
ECO-link calculation module by

Public Affairs & Sustainability Officer
ROCKFON, ROCKWOOL International A/S



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